

Abstract

The present invention provides (1) hollow ceramics particles having a hollow structure formed by a porous shell layer comprising ceramics powders bonded to each other and having an average particle diameter of from 10 to 100 μm and a breaking strength of 5×10^4 MPa or more, (2) a hollow ceramics particles-containing composite material comprising hollow ceramics particles dispersed in a matrix which hollow ceramics particles formed by a porous shell layer comprising ceramics powders bonded to each other, wherein the aforementioned hollow ceramics particles are hollow particles obtained by sintering a precursor comprising the aforementioned ceramics powder covered by a resin powder in such an arrangement that a part of the aforementioned ceramics powder is embedded in the resin powder, and (3) a sliding member made of the aforementioned a hollow ceramics particles-containing composite material.